

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 **Claim 1 (currently amended)** : A wireless transmitter comprising:
2 an antenna;
3 a transmitter signal generator unit generating a signal to be transmitted at an output and
4 having a control input, a control signal applied to said control input controlling at least one of a
5 frequency band, ~~wherein at least one carrier frequency of said signal to be transmitted resides~~, and
6 of a power level of said signal to be transmitted;
7 said output of said generator unit being operationally connected to said antenna;
8 an audio signal/control ~~to control~~ signal decoder unit, said decoder unit generating a control
9 signal at an output of said decoder unit in response to an encoded audio signal at an input of said
10 decoder unit;
11 said output of said decoder unit being operationally connected to said control input of said
12 generator unit.

1 **Claim 2 (original)** : The transmitter according to claim 1, said input of said decoder unit
2 being operationally connected to at least one audio signal input tab of said wireless transmitter.

1 **Claim 3 (original)** : The transmitter of claim 2, said input tab being connectable to at least
2 one external audio signal source.

1 **Claim 4 (previously presented)** : The transmitter of claim 3, wherein said audio signal
2 source is at least one of
3 a microphone;
4 an audio player; and
5 an internet connection device.

1 **Claim 5 (previously presented)** : The transmitter of claim 1, wherein said generator unit
2 comprising a modulator unit with a carrier frequency signal input and an output being operationally
3 connected to said output of said generator unit and having a modulation input, said modulation input
4 being operationally connected to said input for said encoded audio signal.

1 **Claim 6 (previously presented)** : The transmitter of claim 1, wherein said generator unit
2 generating said signal to be transmitted as an amplitude-modulated signal, a frequency-modulated
3 signal, a phase-modulated signal or a modulated pulse signal.

1 **Claim 7 (previously presented)** : The transmitter of claim 1, further comprising at least one
2 microphone, an output thereof being operationally connected to said input of said decoder unit.

1 **Claim 8 (previously presented)** : The transmitter of claim 1, wherein said encoded audio
2 signal is a dual-tone multi-frequency signal.

1 **Claim 9 (currently amended)** : The transmitter of claim 1, wherein said ~~audio signal to~~
2 ~~control signal~~ decoder receives an encoded audio signal in a frequency range of 100 Hz to 20 kHz
3 (both limits included).

1 **Claim 10 (previously presented)** : The transmitter of claim 1, wherein said frequency band
2 comprises more than one carrier frequency of said signal to be transmitted.

1 **Claim 11 (previously presented)** : The transmitter of claim 10, further comprising a
2 manually operable selection unit with an output operationally connected to a control input of a
3 carrier frequency generator unit, said control input controlling selection of the carrier frequency of
4 said signal to be transmitted, out of said more than one carrier frequency.

1 **Claim 12 (previously presented)** : The transmitter of claim 1, wherein said encoded audio
2 signal defining more than one carrier frequency in said frequency band.

1 **Claim 13 (original)** : A hearing system comprising an ear device with an output electrical to
2 mechanical converter and with a wireless receiver, the output thereof being operationally connected
3 to said electrical to mechanical converter; a wireless transmitter according to one of the claims 1 to
4 12, a signal transmitted from said wireless transmitter being received and demodulated at said ear
5 device and acting on said electrical to mechanical converter.

Claim 14 (cancelled)